1636

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January 22, 2004

WRITER'S DIRECT NUMBER: (202) 772-8525 **INTERNET ADDRESS:** BRIAND@SKGF.COM

Art Unit 1636

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 09/438,358; Filed: November 12, 1999

Compositions and Methods for Recombinational Cloning of Nucleic

Acid Molecules

Inventors:

Gerard et al.

Our Ref:

0942.4640001/RWE/BJD/JKM

Sir:

Transmitted herewith for appropriate action are the following documents:

- Fifth Supplemental Information Disclosure Statement; 1.
- 2. List of cited documents on Form PTO-1449 (44 sheets);
- 3. A copy of each of the documents cited on Form PTO-1449 (144 documents: AO5-AM8, and AS67-AS110); and
- 4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox P.L.C.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents January 22, 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Brian J. Del Buono Attorney for Applicants Registration No. 42,473

RWE/BJD/JKM/acr Enclosures

SKGF 220783v1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

GERARD et al.

Appl. No. 09/438,358

Filed: November 12, 1999

or: Compositions and Methods for

Recombinational Cloning of Nucleic Acid Molecules

Confirmation No. 9194

Art Unit: 1636

Examiner: Leffers, Jr., G.

Atty. Docket:

0942.4640001/RWE/BJD/JKM

Fifth Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Fifth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Third Supplemental Information Disclosure Statement filed on August 1, 2002, in connection with the above-captioned application, and Applicants' Fourth Supplemental Information Disclosure Statement filed electronically herewith. A copy of each document is also provided.

The Examiner's attention is directed to the following co-pending U.S. patent applications:

U.S. Application No. 09/648,790, filed August 28, 2000;

U.S. Application No. 10/680,316, filed October 8, 2003;

- U.S. Application No. 10/396,696, filed March 26, 2003;
- U.S. Application No. 09/695,065, filed October 25, 2000;
- U.S. Application No. 09/984,239, filed October 29, 2001;
- U.S. Application No. 10/640,422, filed August 14, 2003; and
- U.S. Application No. 10/454,793, filed June 5, 2003;

which are directed to related technical subject matter. The identification of these U.S. patent applications is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material

submitted herewith.

This Fifth Supplemental Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application. Payment of the fee under 37 C.F.R. § 1.17(p) has been included with a concurrently filed electronic Information Disclosure Statement, as it is believed that only one fee is required to cover both submissions.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Brian J. Del Buono Attorney for Applicants Registration No. 42,473

Date: Jan. 27, 2004

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600





FORM PTO-1449

FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0942.4640001/RWE/BJD/JKM

APPLICATION NO. 09/438,358

APPLICANT Gerard et al.

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next communication to Applicant.





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	AM6	WO S	92/15694 A1	09/17/1992	WIPO			Yes No
	AN6	EP () 542 466 A2	05/19/1993	Europe			Yes No
	A06	WO 9	94/03624 A1	02/17/1994	WIPO			Yes No
	AP6	WO 9	94/18333 A1	08/18/1994	WIPO			Yes No
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November 12, 1999 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA AB AC AD ΑE AF AG ΑH ΑI АJ AΚ FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER COUNTRY DATE CLASS SUB-CLASS TRANSLATION Yes AL7 WO 96/04393 A2 02/15/1996 WIPO No Yes AM7 WO 96/30498 A1 10/03/1996 WIPO No Yes AN7 WO 96/40722 A1 12/19/1996 WIPO No Yes A07 WO 96/40724 A1 12/19/1996 WIPO No Yes AP7 WO 00/12687 A1 03/09/2000 WIPO No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Ayres, E.K., et al., "Precise Deletions in Large Bacterial Genomes by Vectormediated Excision (VEX). The trfA Gene of Promiscuous Plasmid RK2 is Essential AR <u>69</u> for Replication in Several Gram-negative Hosts, " J. Mol. Biol. 230:174-185, Academic Press (1993). Bai, C., et al., "SKP1 Connects Cell Cycle Regulators to the Ubiquitin AS 69 Proteolysis Machinery through a Novel Motif, the F-Box, " Cell 86:263-274, Cell Press (1996). Barnes, G., and Rine, J., "Regulated expression of endonuclease *EcoRI* in *Saccharomyces cerevisiae*: Nuclear entry and biological consequences," *Proc.* ΑТ <u>69</u> Natl. Acad. Sci. USA 82: 1354-1358, National Academy of Sciences (1985). EXAMINER DATE CONSIDERED



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FORM PTO-1449

FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

next communication to Applicant.

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Gerard et al.

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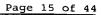
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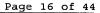
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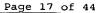
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	AS	<u>82</u>	Gorman, C.M., et al. "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," Proc. Natl. Acad. Sci. USA 79:6777-6781, National Academy of Sciences (1982).						
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	AS	<u>83</u>	Haffter, P., and Bickle, T.A., "Enhancer-independent mutants of the Cin recombinase have a relaxed topological specificity," <i>EMBO J</i> . 7:3991-3996, IRL Press (1988).					
	АТ	<u>83</u>	Hancock, R.E. defenses," Pr Sciences (20	roc. Natl. Ac	t, M.G., "The role of ar cad. Sci. USA 97:8856-886	ntimicro	obial peptid	les in animal ny of
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	AR	<u>91</u>	Hydroxyalkano	Madison, L.L., and Huisman, G.W., "Metabolic Engineering of Poly(3- Hydroxyalkanoates): From DNA to Plastic," <i>Microbiol. Mol. Biol. Rev. 63</i> :21-53, American Society for Microbiology (March 1999).						
	AS	<u>91</u>	PAS Domain Proposed Domain, " J. B	Maemura, K., et al., "Generation of a Dominant-negative Mutant of Endothelial PAS Domain Protein 1 by Deletion of a Potent C-terminal Transactivation Domain," J. Biol. Chem. 274:31565-31570, The American Society for Biochemistry and Molecular Biology (October 1999).						
ı	АТ	<u>91</u>	sequencing: m	manipulation a	bdivision of the Escher and DNA sequence of tran " Gene 223:47-54, Elsev	nsposabl	le elements	introducing		
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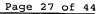


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	AR	92	Malynn, B.A., Immunoglobuli	Malynn, B.A., et al., "The scid Defect Affects the Final Step of the Immunoglobulin VDJ Recombinase Mechanism," <i>Cell 54</i> :453-460, Cell Press (1988).							
	AS	92	Expression,"	Maniatis, T., et al., "Regulation of Inducible and Tissue-Specific Gene Expression," <i>Science 236</i> :1237-1245, American Association for the Advancement of Science (1987).							
	АТ	<u>92</u>	Manning, P.A. 7:93-95, Else	, et al., "G vier Science	ene capture in <i>Vibrio cl</i> (March 1999).	·		crobiol.			
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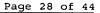
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	AS	<u>94</u>	affinity chro	Meyer-Leon, L., et al., "Purification of the FLP site-specific recombinase by affinity chromatography and re-examination of basic properties of the system," Sucl. Acids Res. 15:6469-6488, IRL Press (1987).							
	AT	<u>94</u>	Miller, H.I. Specific Reco	lller, H.I. et al., "int-h: an int Mutation of Phage λ That Enhances Site- becific Recombination," Cell 20: 721-729, MIT (1980).							
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	AS	<u>95</u>	Murayama, N., et al., "Evidence for Involvement of Escherichia coli Genes csrA and a Previously Unrecognized Gene tldD, in the Control of DNA Gyras letD (ccdB) of Sex Factor F," J. Mol. Biol. 256:483-502, Academic Press I (1996).							
	АТ	<u>95</u>	Escherichia d	<i>coli</i> Protein 256:9246-925	n, C.A., "Purificat Factor Required fo 3, American Society	r λ Integrat	ive Recombin	nation." J.		
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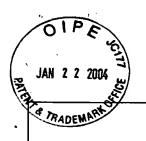
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	AS	<u>96</u>	Multiple Loci Contributing to High-Level Tellurite Resistance in Rhodobacter sphaeroides 2.4.1," Appl. Environ. Microbiol. 63:4713-4720, American Society						
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	AS	<u>97</u>	Pal, S.K., et al., "Pl Plasmid Replication. Role of Initiator Titration in C Number Control," J. Mol. Biol. 192:275-285, Academic Press (1986).							
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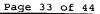
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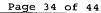
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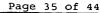
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	APPLICATION NO. 09/438,358
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